

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CUSTOMER NO. 22927**

Applicants: Tedesco *et al.*  
Application No.: 10/786,831  
Filed: February 25, 2004  
Title: SYSTEM FOR IMAGE ANALYSIS IN A NETWORK THAT IS  
STRUCTURED WITH MULTIPLE LAYERS AND  
DIFFERENTIALLY WEIGHTED NEURONS

Attorney Docket No.: 02-100A

Group Art Unit: 2624  
Examiner: Gregory M. Desire

**RESPONSE**  
**to the Non-final Office Action mailed May 2, 2006**

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Examiner:

In response to the Non-final Office Action mailed May 2, 2006, please enter the following amendments and consider the following remarks.

Following is a detailed listing of all claims that are, or were, in the application. A status identifier is provided for every claim and the current text of every claim is presented, unless the claim has been cancelled or not entered. Current amendments to the claims are expressed in the detailed listing by strikethrough or double brackets (for deleted matter) or underlining (for added matter).